

IN THE SPECIFICATION

Please amend the paragraph on page 5, line 24 to page 6, line 12, as follows:

-- Figure 2 shows a recording device for adapting the recording process to the stack type of a record carrier. The device is provided with means for scanning a track on a record carrier 11 which means include a drive unit 21 for rotating the record carrier 11, a head 22, a servo unit 25 for positioning the head 22 on the track, and a control unit 20. The head 22 comprises an optical system of a known type for generating a radiation beam 24 guided through optical elements focused to a radiation spot 23 on a track of the information layer of the record carrier. The radiation beam 24 is generated by a radiation source, e.g., a laser diode. The head further comprises (not shown) a focusing actuator for moving the focus of the radiation beam 24 along the optical axis of said beam and a tracking actuator for fine positioning of the spot 23 in a radial direction on the center of the track. The tracking actuator may comprise coils for radially moving an optical element or may alternatively be arranged for changing the angle of a reflecting element. The focusing and tracking actuators are driven by actuator signals from the servo unit 25. For reading the radiation reflected by the information layer is detected by a detector of a usual type, e.g., a four-quadrant diode, in the head 22 for generating detector signals coupled to a front-end unit 31 for generating various scanning signals, including a main scanning

signal 33 and error signals 35 for tracking and focusing. The error signals 35 are coupled to the servo unit 25 for controlling said tracking and focusing actuators. The error signals 35 are also coupled to a demodulation unit 32 for retrieving the physical addresses and recording, in memory 34, control information including the stack type indicator from the preformed recording control pattern such as wobble modulation. A detailed embodiment of wobble modulation detection is given in Figure 7. The main scanning signal 33 is processed by read processing unit 30 of a usual type including a demodulator, deformatter and output unit to retrieve the information.--.

Please amend the paragraph on page 10, line 29 to page 11, line 7, as follows:

-- Figure 7 shows a wobble demodulation unit. The input unit 71 provides a push-pull signal derived from the head scanning the track. A filter 72 filters the signal by high pass and low pass filters for isolating the wobble frequency and generating a wobble signal. A phase locked loop 73 is locked to the wobble frequency, and generates via a 32x multiplier 75 the synchronous write clock for recording marks in units of channel bits. A synchronous wobble unit 74 provides a wobble clock period to multiplier 76 which also receives the wobble signal. The output of the multiplier 76 is integrated in integrate and dump unit 77, of which the output is samples via a sample switch to a sync threshold detector 78 coupled

to a ADIP bit synchronizer 79 that detects the ADIP bit syncs. A second multiplier 81 is provided with a 4 wobble period signal having two inverted and two ~~non-non~~-inverted wobbles ~~from wobble unit 80~~ and the wobble signal ~~from filter 72~~ on a second input for synchronous detection over 4 wobble periods. A second integrate and dump unit 82 integrates output signal of the multiplier ~~82~~81, while a bit value threshold detector 83 ~~for detecting~~detects the values of the encoded bits ~~at the output of the second integrate and dump unit 82~~..--.